

# *Sneak Preview*

A BRIDGE CITY FOUNDER'S CIRCLE PUBLICATION

# 69

Offer Good Through  
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[www.BridgeCityTools.com](http://www.BridgeCityTools.com)

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# The Mini Multi-Plane: A Multi-Purpose Tool With Uses And Possibilities That Are Virtually Limitless

## Dear Founder's Circle Member:

We have a very unique and beautiful new plane to share with you! Please meet the latest addition to our family of finely crafted hand planes, the **HP-6 MINI MULTI-PLANE**. It may be the most intriguing and versatile plane you will ever own!

## The Concept

Two years ago we began the design process for our rabbet plane. During this period we discovered that it was possible to modify a single plane for numerous different profiles and purposes in a manner that does not compromise any of the permutations. As we continued to explore these possibilities, the concept of making a small, multi-purpose plane became a very exciting obsession. We started designing a rabbet plane and ended up with over 30 different planes using the same plane body!



THE HP-6 WITH THE RABBIT SOLE ATTACHED IS A VERSATILE TOOL. ATTACH A PAIR OF MITERED GUIDE RAILS TO THE HP-6 DUAL FENCE SYSTEM AND YOU HAVE ONE OF THE FINEST CHAMFER PLANES MADE ANYWHERE!

By utilizing a precision-machined plane "frame," we have created a tool whereby you can quickly change the sole and irons. Although the plane featured in this offer is indeed a grand rabbet plane, it is just the beginning of over 30 different iron and sole combinations for this single plane! Over the next two years, we will periodically offer new iron and sole profiles and when we are done, the **HP-6 MINI MULTI-PLANE** will be one of the most original and useful planes in your shop.

With this specially priced introductory offer we are launching the rabbet plane sole, iron and related accessories. In the months to come, we will offer additional soles and irons for crowns, radii, coves, beads, tongue and grooves, and many other unique profiles. The **HP-6** is truly a multi-purpose tool with uses and possibilities that are virtually limitless. Finally, when we are done with this amazing plane system we are going to sponsor a contest for a case design, and the winner will receive a complete **HP-6** system! The plans will be made available free to all who partake in this, the inaugural offer. Personally, this is the most fun I have had as a tool designer since the company was founded!

The feedback from focus groups regarding the **HP-6** has been astonishing, and we believe this plane may become the most popular tool we have ever produced.

## How It Works

The **HP-6** is basically a plane "frame" where you attach different soles. The precision machining of the bottom of the plane frame insures that all future soles will fit perfectly. The same blade



USING ONLY THE HP-6 RABBIT SOLE, THE HP-6 MINI MULTI-PLANE MAKES AN EXCELLENT SMALL BENCH PLANE. THE 55-DEGREE ATTACK ANGLE IS PERFECT FOR HARD TO PLANE WOODS. OVER THE COMING MONTHS, YOU WILL BE ABLE TO CONVERT THE HP-6 MINI MULTI-PLANE INTO DOZENS OF UNIQUE PLANES BY CHANGING THE SOLES AND IRONS!

adjustment mechanism works for all irons. Want to change from a rabbet plane to a crowning plane? The process takes about five minutes! Remove the rabbet iron, then the sole, place the crowning iron into the body and tighten, slide the back portion of the crowning sole up to the iron and tighten, attach the front (*throat*), adjust the iron for depth of cut and you are done.

The weight of this plane is an impressive feature. At just under three pounds, the **HP-6** has a wonderful feel in the hand. It is a robust plane designed for several generations of use. It just feels "right" and it works great!

We believe this plane will become the most used plane in your shop simply because it does so many things without compromise!

## The HP-6 Rabbet Plane Sole

The first iron/sole combination we are introducing will allow you to cut rabbets, edge plane, and chamfer plane! Because rabbet cuts typically have a defined depth and width, they are used in conjunction with a fence and a depth stop. The body of the **HP-6** plane body has been engineered to accept fences on either (*or both*) sides of the body and the depth stop can be attached to either side as well, making this plane ideal for either right or left handed users.

In addition, the **HP-6** Rabbet Sole features a precisely manufactured scoring cutter that precedes the approach of the iron. This scoring cutter makes it impossible to tear the corner of your rabbet cuts! It also makes it possible to cut across the grain rabbets cleanly. And, because it is circular, when you need to sharpen it, simply loosen the screw and rotate a "fresh" cutting edge in place. You can do this approximately twenty times before the cutter needs to be replaced! It is highly likely you will NEVER need to replace this scoring cutter. This cutter can also be placed on either side of the sole.



WITH THE FRONT HALF OF THE RABBIT SOLE REMOVED AND THE CUTTING EDGE OF THE IRON SET FLUSH TO THE SOLE, THE HP-6 TRANSFORMS INTO A LIMITED CHISEL PLANE! THIS MAKES PERFECTLY FLUSH SCORES AND IS BUT ONE OF THE HUNDREDS OF USES FOR THE HP-6 MINI MULTI-PLANE!



WITH THE HP-6 RABBIT SOLE ATTACHED, RABBIT DEPTH CONTROLLED BY THE DEPTH FENCE, AND THE GUIDE RAIL ADJUSTED TO THE RABBIT WIDTH, THE HP-6 RABBIT PLANE IS READY TO PLANE AWAY! IT IS A JOY TO USE THIS BEAUTIFUL TOOL AND THE CIRCULAR SCORING CUTTER PROVIDES RAZOR CLEAN CORNERS.

Because the **HP-6** is a true multi-plane, the sole and iron are packaged independently, and all future irons and soles will also come in their own box.

## How To Set-Up The HP-6 Rabbet Plane

1. Secure the rabbet iron in the body, the depth does not matter at this point.
2. With the iron firmly seated, attach the rear sole flush to the back of the iron, they need to touch or the iron may chatter. It is very easy to achieve this important step.



3. Attach the front sole to the throat opening of your preference.
4. Adjust the depth of cut by testing on a scrap board.
5. Attach the outboard fence that will adjust your width of cut. If you typically use your right hand on the rear of a plane, the fence will go on the "port" side of the plane. The fence posts are completely removable from the plane body.

That's it. Changing the iron and the sole typically takes approximately three minutes.



THE HP-6 DEPTH FENCE CAN BE COMPLETELY RAISED TO INSTALL/ROTATE THE RABBIT SCORING CUTTER ON THE HP-6 RABBIT SOLE. THE FENCE AND CUTTER CAN BE INSTALLED ON EITHER SIDE OF THE PLANE. WHETHER YOU ARE RIGHT OR LEFT

### An Important Note Regarding The Fences

The **HP-6 MINI MULTI-PLANE** comes with two brass fences. These fences ARE NOT supplied with wood cheeks. You will need to make your own. For example, to use the **HP-6** as a chamfer plane, you will need to make and attach two wood cheeks with 45 degree

faces, (*plans for these simple cheeks are included*). Here is our logic: These fences are used in combination with numerous future soles and there is no single cheek cross section that works for all of these combinations. Included with the plane are simple cheek plans for converting your **HP-6** into a chamfer plane and a recommended cross section for the rabbit cheek. This is the precedent we will use for future soles that will be used in conjunction with the fence system.

### The Materials

The **HP-6 MINI MULTI-PLANE** is machined from solid brass. The rabbit sole is also made from this rust-proof alloy. The iron is A-2 tool steel, hardened to Rc 60-62 and is cryogenically tempered. The fences and the depth stop are machined from brass. Stainless steel is used for the lead screw and the blade lock screw.

### Uses

Now the fun begins. First and foremost, the **HP-6** with the rabbit sole attached (*without the scoring cutter*) functions as a small block plane with a 55 degree attack angle. When you attach the fence posts, fences and the appropriate shop made wood cheeks, you have a fantastic chamfer plane. Finally, the front portion of the sole can be removed, and the **HP-6** will serve as a limited chisel plane.

Add the scoring cutter, remove one fence, add the depth stop, and change out one wooden cheek, and you have one of the finest rabbit planes in American history. As you can see from the accompanying photographs, the **HP-6** is one amazing tool! With the micro adjuster, you can precisely control your depth of cut to make incredibly thin shavings. There is fascinating, pleasant joy when converting this tool from one variation to another.

### Summary

The **HP-6** is likely the most important new product from our tool makers in the past two decades. Hand work is the best part of being a craftsman, and the **HP-6** will make it possible for you to have



GUIDE FENCES CAN BE ATTACHED TO ONE OR BOTH SIDES OF THE HP-6 BODY. DIFFERENT JOBS CALL FOR DIFFERENT WOOD RAILS—THEY ARE EASILY SHOP MADE AND ATTACH TO THE BRASS FENCE(S) WITH SCREWS. (WOOD GUIDE RAILS ARE NOT INCLUDED)

planes for many different uses without the bulk of the expense. Soles and irons can be added on a needed basis making the **HP-6** truly unique in today's marketplace.

Thank you for taking the time to learn about the **HP-6**.

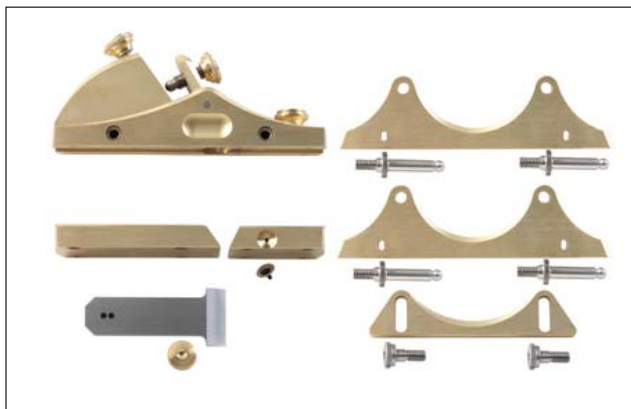
Warm regards,

John Economaki,  
President

### Our Special Offer

The special Signature Series production run of the **HP-6** is available for \$475.00 thru **June 30, 2004** (*Founder's Circle Member introductory price is \$395.00*). That's a total savings of \$80!

Each **HP-6** in this dated offer is from the initial production run, is serial numbered and carries our "Signature Series" logo. Serial number tools will not be available after June 30, 2004. Order Today! To reserve your signature series **HP-6**, call 1-800-253-3332, order online at [www.BridgeCityTools.com](http://www.BridgeCityTools.com) or mail the enclosed order form today!



THIS SPECIAL OFFER INCLUDES THE HP-6 PLANE BODY, HP-6 RABBIT SOLE, HP-6 DUAL FENCE SYSTEM, HP-6 DEPTH FENCE, HP-6 RABBIT IRON AND ALL ASSOCIATED HARDWARE. (WOODEN GUIDE RAILS ARE NOT INCLUDED.)

### Specifications

**Weight:** 2.5 lbs, **Body Length:** 5.56"

**Body Width:** 1.225", **Height With Rabbit Sole:** 2.89"

**Sole Length:** 5.56", **Maximum Cutting Width:** 1.225"

**Attack Angle:** 55° (55° Bed, 20° Primary Grind, 5° Micro-Bevel)

**Depth Adjustment Per Revolution:** 0.023"

**HP-6 MINI MULTI-PLANE** (*Signature Series*)

**1101-184S. \$475.00 (FOUNDERS \$395.00)**

*Become a Founder's Circle member and SAVE \$80 today!*

*See page 13, for details.*

**HP-6 REPLACEMENT RABBIT IRON**

**1101-184RB. \$29.00 (FOUNDERS \$26.10)**

*Custom Engraving: 6 characters.*



*Three-month zero interest Easy Pay Option available.*

*Automatic Order Customers receive an additional 2% discount and DO NOT need to submit an order.*

## Here Are Three Small Low Angle Planes That Provide BIG Results!

Using a tool sized for the job is one of the paramount lessons in successful woodworking. For the myriad of tasks in your woodshop that are better served by smaller planes, we are pleased to offer you the **HP-3 SMALL BLOCK PLANE**, **HP-4 CHAMFER PLANE** and **HP-5 SMALL BLOCK PLANE**.

Each plane body is precisely milled from solid 360 brass alloy as is the plane iron cap creating a weight and balance to the tool that simply invites use. As a final touch, the cap iron knob has a matching rosewood infill.

With the cutting width just under 1", these three small planes feature an adjustable throat and a very fine blade adjustment mechanism (36 threads per inch). The iron is cryogenically treated and hardened (Rc 60-20) A2 tool steel, and the back is lapped to a RMS .5 finish. Our planes are ready to use right out of the box.

The attack angle of the **HP-3** and **HP-4** is 42 degrees (12 degree bed angle, 25 degree primary iron grind, 5 degree micro bevel). The **HP-3** is an amazing tool for thinner edges and flush trimming.

Hard corners in wood are almost never desirable because of the tendency to fracture. With an overall length of 5", the **HP-4 CHAMFER PLANE** is perfect for box makers, thousands of furniture details and a host of similar needs. This extraordinary tool is easy to use and creates chamfers that are unobtainable by cruder means. The solid brass fences are faced with rosewood rails and slides on stainless steel rods that lock in place with a hex key wrench. With the plane set to take a thin cut and the throat opening properly set, the fences adjust to determine the final width of the chamfer. (Chamfer width ranges from a few thousandths of an inch up to 7/8" in width.) On practice stock, chamfer a corner to confirm your set-up. The wider the chamfer, the more passes you will take with the **HP-4**. The results are perfect! Furthermore, where chamfers converge, the result is a perfectly executed mitered hard line.

The factory attack angle of the **HP-5 SMALL BLOCK PLANE** is 52 degrees. Compared to the **HP-3** and **HP-4**, a ten-degree difference is huge in performance when needed. The **HP-5** is suitable for those small jobs where grain blowout can wreck your piece. Use this plane on all



extremely hard woods like cocobolo, ebony, most other exotics and in all cases where grain switchback is obvious. Typical uses for the **HP-5** include edge work on stock under 1/2" thick, chamfers and important facet details.

When used properly, the **HP-5** will create edges facets and chamfers that are perfect where the **HP-3** will begin to lift grain. Small box makers, luthiers, fly rod makers, case makers, furniture makers, toy makers and others who work with small stock or fine details will greatly appreciate the benefits of the **HP-5**.

There is no greater joy than working with tools that provide dead accurate and beautiful results. We are confident that you will find the **HP-3**, **HP-4** and **HP-5** to be one of your most cherished planes and a faithful tool that provides superb results. We are thrilled with their abilities and you will be, too.



### HP-3 SMALL BLOCK PLANE

**1101-173**.....\$239.00 (FOUNDERS \$215.10)

### HP-4 CHAMFER PLANE

**1101-174**.....\$329.00 (FOUNDERS \$296.10)

### HP-5 SMALL BLOCK PLANE

**1101-182**.....\$239.00 (FOUNDERS \$215.10)

### HP-3/HP-4/HP-5 REPLACEMENT IRON

**1101-173RB**.....\$29.00 (FOUNDERS \$26.10)

Custom Engraving: HP-3, HP-4 & HP-5: 6 characters.

Tool	Weight	Length	Width	Height	Sole Length	Cutting Width	Attack Angle
HP-3	10.7 oz.	3.80"	1.30"	1.65"	3.25"	0.94"	42° (12° Bed, 25° Primary Grind, 5° Micro-Bevel)
HP-4	1lb. 3.3 oz.	5.00"	3.50"	2.50"	3.25"	0.94"	42° (12° Bed, 25° Primary Grind, 5° Micro-Bevel)
HP-5	13.1 oz.	3.75"	1.30"	1.80"	3.25"	0.94"	52° (22° Bed, 25° Primary Grind, 5° Micro-Bevel)



# Save BIG BUCKS On Our Japanese Hand Saw Special!

Purchase ANY TWO professional hand saws and get a THIRD saw at HALF PRICE!  
(The discounted saw will be the lesser valued of the three.)



## There Isn't A Joint You Can't Confidently Cut With Unprecedented Accuracy And Speed Using The JS-1 Dozuki Saw

No shop should be without this phenomenal cutting tool, regardless of how many saws you currently own. With a maximum cutting depth of 1-1/2", our 32 teeth per inch JS-1 DOZUKI SAW is an extremely fine tooth backsaw used primarily for cutting joints. Perhaps the finest Dozuki saw in America today, the blade is an astonishing 0.20mm thick, which is only eight thousandths of an inch! It simply is the smoothest cutting saw we have ever used! Once cut, the wood feels and appears like it was hand planed. We guarantee you have not used a saw that works or cuts as well as this professional Dozuki back saw.

## Our Most Popular Fast Cutting General Purpose Saw

The Ryoba is the most popular saw used by woodworkers in Japan. Our JS-2 Ryoba has crosscut teeth on one edge and rip teeth on the opposite edge—it makes great economical sense. This professional grade saw comes in various sizes in Japan, with progressively larger teeth as the saw edges become longer. Our Ryoba is perfectly sized for furniture or cabinetmakers and also works well for finish carpenters. The crosscut saw has 15 teeth per inch, the rip saw 8 teeth per inch. Remember, let the saw do the work and you won't believe how easy it is to cut wood by hand!

## For Fine Deep Cuts, The JS-3 Is The Perfect Choice

This exquisite saw is used for fine, deep cuts and deep cheek joinery. A very popular furniture making saw, our Katana has 20 teeth per inch dispersed over nearly nine inches. Because this is not a backsaw, blade thickness is 0.40mm (0.016"). The JS-3 KATANA SAW is the tool of choice when you need cuts deeper than possible with a Dozuki. Perfect for tenons and larger dovetails as well as coarse flush cutting and general purpose sawing needs. It is a delightfully efficient and accurate cutting tool with a perfect balance.

## A Zero Set Saw For Perfect Flush Cuts

Anytime you want to cut a protruding member flush with a surface, this is the tool for the job. Unlike other flush cutting saws, this blade is replaceable. The JS-4 works perfectly for cutting back protruding joinery including dovetails, dowel joints, mortise and tenons and much more. There is ZERO set to the fine teeth (32 per inch) and therefore it is almost impossible to score or scratch your reference surface. The JS-4 cuts on the PULL stroke and is extremely fast cutting. We do not believe you will find a better performing flush cut saw, nor one that is easier to use, anywhere.

Tool	Overall Length	Cutting Length	Blade Thickness
JS-1	20-3/8"	7-3/8"	0.20mm/0.008"
JS-2	23-3/8"	8-3/4"	0.49mm/0.0195"
JS-3	21-1/2"	8-7/8"	0.40mm/0.016"
JS-4	16-1/4"	6-3/8"	0.20mm/0.008"
JS-5	15-1/4"	5-1/2"	0.20mm/0.008"
JS-6	23-3/8"	8-3/4"	0.49mm/0.0195"

## Here's A Small Dozuki Saw For Small Or Delicate Joints

For smaller, more delicate joints, such as tiny dovetails, added control over your saw becomes a necessity. With the JS-5 in your hand, there isn't a joint you can't cut with confidence, speed and unprecedented accuracy. Like that of our JS-1, the blade of the JS-5 is a mere 0.20mm (0.008") thick, giving you ultra precise cuts every time. The JS-5 blade also shares the same depth of cut as the JS-1: roughly 1-1/2 inches. The important difference between the two saws is the cutting length, with the JS-5 giving you a heightened sense of control for all your intricate joinery projects.

## Here's A Saw With Two Distinct Crosscut Grinds Suitable To Your Needs

The Ryoba style saw is without question, the most frequently used hand saw in Japan. One side is for crosscutting and the other for ripping. Our JS-6 looks like a Ryoba but is substantially different. This saw has two distinct crosscut grinds, one with 15 teeth per inch, and the other with 20 TPI. The fine side of the JS-6 is used for smaller cross-section cuts or where you desire a finer finish on the end grain. This was a logical design choice because our research indicates that very few of our customers rip saw by hand.

JS-1 DOZUKI BACK SAW	
1101-130.....	\$89.00 (FOUNDERS \$80.10)
JS-1 REPLACEMENT BLADE	
1101-130RB.....	\$39.00 (FOUNDERS \$35.10)
JS-2 RYOBA RIP/CROSSCUT SAW	
1101-132.....	\$78.00 (FOUNDERS \$70.20)
JS-2 REPLACEMENT BLADE	
1101-132RB.....	\$39.00 (FOUNDERS \$35.10)
JS-3 KATANA SAW	
1101-134.....	\$79.00 (FOUNDERS \$71.10)
JS-3 REPLACEMENT BLADE	
1101-134RB.....	\$39.00 (FOUNDERS \$35.10)
JS-4 FLUSH CUT SAW	
1101-170.....	\$59.00 (FOUNDERS \$53.10)
JS-4 REPLACEMENT BLADE	
1101-170RB.....	\$24.95 (FOUNDERS \$22.45)
JS-5 6" DOZUKI SAW	
1101-171.....	\$59.00 (FOUNDERS \$53.10)
JS-5 REPLACEMENT BLADE	
1101-171RB.....	\$24.95 (FOUNDERS \$22.45)
JS-6 DOUBLE CROSSCUT SAW	
1101-180.....	\$78.00 (FOUNDERS \$70.20)
JS-6 REPLACEMENT BLADE	
1101-180RB.....	\$39.00 (FOUNDERS \$35.10)

Custom Engraving: 5 characters.

## Specifications

**Handle:** Hand wrapped with a special braided cord and the ends capped with brass ferrules.

**Blade:** High grade Japanese steel and correctly tempered for consistent golden color.

## Wow! A Portable "Miter Box" For Hand Saws!

The rich history of woodworking is full of inventions that improve accuracy, save time and increase productivity. Tools, guides, jigs and fixtures allow you to produce higher quality work with predictable results. Without predictive results, fun yields to frustration and woodworking quickly becomes unrewarding.

### For Example:

Imagine taking a brand new 1" butt chisel and after "flattening the back" on a series of stones and freehand honing a thirty-degree edge. Now do the same task with a honing guide. Which way was fun? Which method yields predictable results?

Now take that same sharp chisel and edge smooth a rough board. Or, clamp the chisel in a wood or metal body and "plane" that edge. (A hand plane is an elaborately jugged chisel.) Which works better? Which method yields predictable results?

As a woodworker, you will never become a "craftsperson" if you consistently depend upon putty and filler in your work! Towards your quest for predictable results we are ecstatic to offer two of the most significant inventions in our history. Please meet the **JM-1 JOINTMAKER** and our Precision Paring Guides!

The **JM-1 JOINTMAKER** is a tool that allows you to generate predictable saw or light chisel cuts with any high quality handsaw or chisel. Never before has it been possible to handsaw with such ease and accuracy. Never before have you been able to pare a surface with a chisel with accuracy as easy as this. **GAP FREE** joints are directly related to the quality of your saw and chisel cuts. Combine any good back saw\* with the **JM-1 JOINTMAKER** and you will instantly see gallery quality results!

\*THE JM-1 JOINTMAKER WORKS OPTIMALLY WITH OUR JS-1 OR JS-5 DOZUKI SAW (SEE PAGE 5) WHICH WE BELIEVE IS THE FINEST JOINT CUTTING SAW IN AMERICA. THE CUTS FROM THESE EXTREMELY EFFICIENT SAWS APPEAR TO BE MADE WITH A CHISEL. HOWEVER, ANY BACKSAW WILL WORK WITH THE JM-1 JOINTMAKER, THE FINER THE SAW, THE BETTER.



### How The JM-1 JOINTMAKER Works....

Lay out your joints (or cuts) traditionally with a marking knife, awl or a pencil. Insert the appropriate guide block in the **JM-1 JOINTMAKER** body and tighten. Now position the **JM-1 JOINTMAKER** on your stock and tighten. Saw away, it's that simple! The **JM-1 JOINTMAKER** guides your saw exactly where you want without slop or wobble. Your sawing rhythm becomes so relaxing and accurate you won't believe the results. All you control is depth of cut, which means you need to pay a little attention and the **JM-1 JOINTMAKER** does the rest! Think of the **JM-1 JOINTMAKER** as a portable miter box that quickly and easily fastens to your stock for cutting the most common woodworking joints and angles! If your saw is inexpensive and cut surfaces are crude, use the **JM-1 JOINTMAKER** as a chisel guide to clean up your work! You will not believe how easy and fun it is to obtain perfect joints with this great tool.



THE JM-1 FASTENS TO ALL STOCK UP TO 1-3/4" IN THICKNESS. THE OFFSET OF THE GUIDE BLOCK FROM YOUR STOCK PROTECTS YOUR SAW TOOTH SET AND THE GUIDE BLOCK ALLOWING FOR DEAD ACCURATE ALIGNMENT.



HOLDING CLAMPED PARTS IN A VISE MAKES CHEEK CUTS ON NARROW BOARDS POSSIBLE. USE DOUBLE-STICK TAPE IF NECESSARY.



OUR PRECISION PARING GUIDES ALIGN YOUR CHISEL TO 90 DEGREES FOR PERFECT UNDERCUT JOINTS. COMES IN THREE HANDY LENGTHS.



THE UNIQUE DESIGN OF THE PARING GUIDE DOUBLES AS A HANDY WORKBENCH ORGANIZER. HOLDS RULES, SQUARES AND PENCILS.



EXTREMELY NARROW STRIPS AND VENEER ARE EASILY CUT WHEN ATTACHED TO A DUMMY BOARD WITH DOUBLE STICK TAPE. HERE WE CUT A MITER ON 3/4" BY 3/4" EBONY, AND THE JOINT IS PERFECT!



The **JM-1** JointMaker body prevents the saw teeth from rubbing on the guide blocks. This important feature prevents unnecessary wear of your saw teeth set and also facilitates the quick reference of the saw body to the guide block. It also prevents the guide block from getting chewed up with use. It really is an amazingly simple and elegant design solution.

The **GUIDE BLOCKS** are precision cut from hard rock maple and should last years with minimal care. The **JM-1 JOINTMAKER** will also accept custom guides from your shop if our standard set doesn't completely meet your needs. We offer eleven different guide blocks: 90°, 45° (face and edge), 30° (face and edge), 22.5° (face and edge), 8:1 dovetail set (pins and sockets) and a 6:1 dovetail set (pins and sockets).

## Hand Dovetails And Other Difficult Joints Are Now A Breeze!

Hundreds of novice woodworkers have cut perfect dovetails using this system in a single session. The **JM-1 JOINTMAKER** allows you to perfectly cut the pins and the sockets every time. The results are predictable and perfect! More importantly, hand-cut dovetails are beautiful. *(You can cut dovetails with a router and achieve predictable results as well. You can predict your extension cord is nowhere to be found. You can predict 110 decibels of screaming racket. You can predict enough airborne dust to drown a parakeet in mid-flight. You can count on the stress of hand holding a ten-pound, 20,000 rpm gyroscope with a razor sharp cutter protruding from one end. You can predict all the safety gear on your head will misalign your neck. Finally, you can predict a joint with the esthetics of a TV dinner....)*

## Our Paring Guides Make Short Order Of Back Cutting And Cut Alignment!

The end-grain surfaces of many open joints, including dovetails are typically cut with a chisel. To assist you with this task, we proudly offer a very interesting and inexpensive set of **PARING GUIDES**. Once clamped in place, you simply work your chisel to the center of your stock thickness from each face with the back of the chisel resting against the guide. Our **PARING GUIDES** will guide your chisel at 88 degrees, creating a perfectly undercut joint. Once assembled, the joints look like they were cut with a laser. *(Our step-by-step instructions on how to cut dovetails with the JM-1 and our Paring Guides have several great short cuts that will help you master this enigmatic joint in a single afternoon!)*

Our **PARING GUIDES** come three to a set: 6", 18" and 24". This should cover the vast majority of your needs. When not in use, our **PARING GUIDES** will hold your pencils, combo squares, rules, etc. They are the handiest reference tool you will ever use in conjunction with the **JM-1 JOINTMAKER**.

### JM-1 JOINTMAKER COMPLETE PACKAGE:

INCLUDES 2 JM-1 JOINTMAKERS; 6", 18" & 24" PARING GUIDES;  
11 PRECISION GUIDE BLOCKS.

**\$505.....\$195.00 (FOUNDERS \$175.50)**

JM-1 JOINTMAKER SET: INCLUDES 2 JM-1 JOINTMAKERS.

**\$502.....\$79.00 (FOUNDERS \$71.10)**

PARING GUIDE SET: INCLUDES 6", 18" & 24" PARING GUIDES.

**\$503.....\$89.00 (FOUNDERS \$80.10)**

PRECISION GUIDE BLOCK SET: INCLUDES 11 PRECISION GUIDE BLOCKS.

**\$504.....\$49.00 (FOUNDERS \$44.10)**

### INDIVIDUAL PRICES ARE AS FOLLOW:

#### JM-1 JOINTMAKER

**1101-138.....\$39.95 (FOUNDERS \$35.95)**

#### 6" PARING GUIDE

**1101-139-6.....\$14.95 (FOUNDERS \$13.45)**

#### 18" PARING GUIDE

**1101-139-18.....\$39.95 (FOUNDERS \$35.95)**

#### 24" PARING GUIDE

**1101-139-24.....\$53.95 (FOUNDERS \$48.55)**

#### 90° PRECISION GUIDE BLOCK

**1101-140-90.....\$4.95 (FOUNDERS \$4.45)**

#### 45° PRECISION GUIDE BLOCK (FACE & EDGE)

**1101-140-45.....\$8.95 (FOUNDERS \$8.05)**

#### 30° PRECISION GUIDE BLOCK (FACE & EDGE)

**1101-140-30.....\$8.95 (FOUNDERS \$8.05)**

#### 22.5° PRECISION GUIDE BLOCK (FACE & EDGE)

**1101-140-225.....\$8.95 (FOUNDERS \$8.05)**

#### 8:1 DOVETAIL SET (PINS & SOCKET)

**1101-140-81.....\$8.95 (FOUNDERS \$8.05)**

#### 6:1 DOVETAIL SET (PINS & SOCKET)

**1101-140-61.....\$8.95 (FOUNDERS \$8.05)**

Custom Engraving: JM-1: 3 characters.

INCLUDED WITH EACH JM-1 JOINTMAKER IS OUR GUIDE, "GREAT LOOKING JOINTS BY HAND WITH THE JM-1 JOINTMAKER". COMPLETE STEP-BY-STEP INSTRUCTIONS ARE INCLUDED ON HOW TO LAY OUT AND CUT BEAUTIFUL DOVETAILS AND TIPS FOR OTHER PERFECTLY EXECUTED JOINTS THE FIRST TIME YOU USE THIS AMAZING NEW TOOL (WITH A GOOD SAW).

#### CUSTOM ENGRAVING

MOST OF OUR TOOLS CAN BE PERSONALIZED FOR AN ADDITIONAL CHARGE OF \$2.00 PER LETTER (PUNCTUATION IS FREE). THE FIRST THREE LETTERS ARE FREE FOR FOUNDER'S CIRCLE MEMBERS. PLEASE INDICATE YOUR PREFERENCE ON THE ORDER FORM.

#### 100% SATISFACTION GUARANTEE

WE STAND BEHIND EVERYTHING WE SELL. IF FOR ANY REASON YOU ARE NOT 100% SATISFIED WITH YOUR PURCHASE, SIMPLY RETURN THE ITEM WITHIN 90 DAYS FOR AN EXCHANGE OR A FULL REFUND ON THE MERCHANDISE. PLEASE USE THE DETACHABLE RETURN LABEL ON YOUR PACKING SLIP FOR CONVENIENCE.



USE YOUR COMBINATION OR DOUBLE SQUARE TO ALIGN THE PARING GUIDE EQUALLY ON EACH END OF YOUR STOCK.



THE JM-1 WORKS WITH EITHER PULL OR PUSH BACKSAWS. ALIGN THE GUIDE SO YOU HAVE THE LOWEST LEAD-IN FOR THE FIRST FULL STROKE.



WHEN MAKING DOVETAILS USE THE PRECISION PARING GUIDE FROM BOTH FACES. CHISEL HALFWAY AND THEN WORK FROM THE OTHER SIDE. THE 88 DEGREE FACE WILL GIVE YOU A PERFECT UNDERCUT JOINT.



CUSTOM GUIDES CAN EASILY BE MADE IN YOUR SHOP FOR EVERY IMAGINABLE SAW CUT! HERE WE HAVE SLID THE JM-1 ASIDE REVEALING A PERFECT MIRROR OF THE CUSTOM CUTTING GUIDE.



THE JM-1 WORKS FANTASTIC FOR LIGHT CHISEL PARING. JOINT CLEAN-UP HAS NEVER BEEN EASIER OR MORE ACCURATE.



FIGURE 1. WITH YOUR STOCK FLAT, CLAMP THE MITER STITCH IN PLACE WITH C-CLAMPS OR OTHER CLAMPS. (SOMETIMES IT IS A GOOD IDEA TO TAPE YOUR JOINT AS PICTURED HERE.)



FIGURE 2. WITH THE MITER STITCH IN PLACE, YOUR PROJECT IS READY TO "TRY CLAMP" WHICH ALLOWS YOU TO CHECK FOR PROBLEMS.



FIGURE 3. ONCE YOU HAVE CHECKED YOUR MITER JOINT, APPLY GLUE AND CLAMP WITH A MITER STITCH. WITH A MITER STITCH, YOU WILL GET PERFECT RESULTS.



FIGURE 4. IT IS EASY TO SEE HOW THE MITER STITCH WORKS. THE CLAMPING PRESSURE IS DIRECTLY IN-LINE WITH THE MITER JOINT. THERE IS NO STOCK DEFLECTION WHATSOEVER.



FIGURE 5. FOR LONGER EDGE MITERS, YOU CAN GANG SEVERAL MITER STITCHES TOGETHER USING READILY AVAILABLE 3/8" DRILL ROD. THE ROD KEEPS THE CENTER MITER STITCHES FROM SLIPPING.



FIGURE 6. HERE'S A MITER JOINT THAT IS PERFECTLY ALIGNED WITH ONE CLAMP ON THE CENTER MITER STITCH! PRACTICALLY YOU WOULD NOT LIKELY DO THIS, BUT IT CLEARLY ILLUSTRATES THE STRENGTH OF THE SYSTEM.



FIGURE 7. A SINGLE MITER JOINT IS ALMOST IMPOSSIBLE TO CLAMP. NOT ANYMORE!



FIGURE 8. THE DRILL ROD OFFERS THE NECESSARY RESISTANCE TO KEEP THE CENTER CLAMPING PADS FROM SLIPPING WHEN USING MULTIPLE MITER STITCHES.



FIGURE 9. BY REVERSING THE MITER STITCH, YOU CAN CLAMP OCTAGONAL PROJECTS! (FOR PURPOSES OF CLARITY THE MITER STITCH IN THIS PHOTO IS TOO CLOSE TO THE JOINT.)

## This Ingenious Little Tool Will Allow You To Close Miters With Inexpensive Clamps And Give You the Joint Intended And The Satisfaction Of KNOWING Your Work Is Solid



Miter joints are popular because they conceal end grain or allow for a seamless appearance on corners. Here is a clamping concept that works beautifully and allows you to get "light-tight" miter joints using inexpensive clamps.

### Please Meet The Miter Stitch@....

Each **MITER STITCH@** Set consists of two anodized aluminum clamping pads. When correctly clamped opposite each side of the miter seam (Fig. 1), an inexpensive clamp will allow you to close the joint perfectly. It's that easy. The **MITER STITCH@** is designed to clamp 90-degree miters or 45-degree miters (Fig. 9).

When your **MITER STITCHES** arrive, the first task is to cut and attach (with thin double-stick tape) 120 grit sandpaper to the bottom of each pad. This is very important and prevents the tool from slipping. You only need to do this once as this important gripping surface will last the lifetime of the tool.

**MITER STITCHES** can be used alone (Fig. 3) or in conjunction with other clamps, most commonly with band clamps. Band clamps, another indispensable shop tool, have a nasty habit at times of deforming your work when tight and can actually be over-tightened to a point where they open up the miters! **MITER STITCHES** only allow you to apply clamping pressure directly inline with the two halves of the joint (Fig. 4). It works absolutely perfect!

Each **MITER STITCH@** clamping pad has two holes in each end. Placing readily available 3/8" drill rod in each of these holes allows you to "gang" **MITER STITCHES** for longer joints (Fig. 5). The outside **MITER STITCHES** are clamped to your stock, and the center **MITER STITCH(ES)** float on the drill rod. In this configuration, the drill rod offers the necessary resistance to keep the center clamping pads from slipping. It works beautifully (Fig. 8).

If you are doing an edge miter that is not part of a closed box, you are dealing with one of the most difficult to clamp joints known to man. Using **MITER STITCHES** makes this so easy and fast it is amazing. It is now possible to clamp only one corner!

Each **MITER STITCH@** Set consists of two clamping pads. Add one, four or more **MITER STITCH@** Sets to your shop today and never again worry about—GAPOSES! The four **MITER STITCH@** Set is our best buy!

ST-4 MITER STITCH@ (2pc)

1101-159.....\$10.95 (FOUNDERS \$9.85)

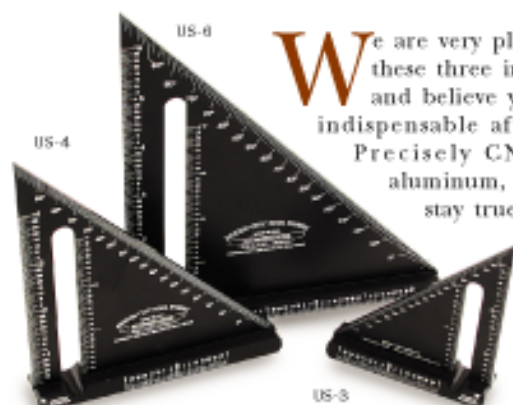
MITER STITCH@ SET

GET 4 SETS (8PC) FOR.....\$39.95 (FOUNDERS \$35.95)

Custom Engraving is Not Available.



## Our Popular Universal Squares Are Five Tools In One



We are very pleased to offer you these three inexpensive squares and believe you will find them indispensable after just one use!

Precisely CNC milled from aluminum, these squares will stay true because they are solid metal. The US-3 is super handy and easily fits into an apron pocket. The US-4, slightly bigger is a good all around bench square. And

use the US-6 for larger stock and squaring needs. All three have the following specifications:

**Angle Accuracy:** Plus or minus .002" over major length, both 90 and 45 degrees.

**Graduations:** Graduations are laser etched and will not come off. Available in either English or metric, each square features two rules, one aligned with the outside face of the sole ( $\frac{1}{32}$ " or .5mm) and one aligned with the inside face of the sole ( $\frac{1}{16}$ " or 1mm).

**Finish:** Aluminum Oxide (*harder than steel*).

**Power Tool Guide:** Use as a square or miter guide for power tools that can be



operated safely with one hand, (*sabre saws in particular*). Hold the Universal Square in place with one hand and guide the tool with the other.

**Height Gage:** Use the vertical rule on the outside edge of the square as a precision height gage. This is perfect for setting saw blade heights, router heights and shaper cutter heights as well as measuring inside dimensions.

**Marking Gage:** The rule adjacent to the milled slot is indexed to the inside face of the sole. Simply place a pencil or awl along the dimension of your choice and slide the square and marking tool together along your stock to make a precise parallel line.

**Hook Rule:** Align your universal square flush with your stock and read the width using the rule adjacent to the slot.

**Protractor:** Laying out angles is easy. The center of the protractor is the intersection of the outside edge of the square and the inside face of the sole.

**Centering Rule:** On each side of the sole is a small centering rule.

PLEASE SPECIFY ENGLISH OR METRIC GRADUATION WHEN ORDERING.

### US-3 UNIVERSAL SQUARE

1101-163.....\$35.95 (FOUNDERS \$32.35)

### US-4 UNIVERSAL SQUARE

1101-165.....\$39.95 (FOUNDERS \$35.95)

### US-6 UNIVERSAL SQUARE

1101-167.....\$49.95 (FOUNDERS \$44.95)

### UNIVERSAL SQUARE SET

550.....\$119.00 (FOUNDERS 107.10)

*Custom Engraving is Not Available.*

## Zero Glare Rules For "Over 50" Eyes

Our BR-6 POCKET RULE and BR-12 BENCH RULE are the finest and most useful rules available. These "zero glare" triangular rules defy logic. The closer you get them to a light source the easier they are to read! Try reading a satin chromed rule held next to a halogen light – it doesn't work at all.

Each BR-6 and BR-12 comes with a solid brass hook that can easily be attached thereby transforming each rule into a hook rule that allows you to read dead accurate length measurements from the end of your stock without any hassles. It doesn't get any easier than this!

The BR-6 and BR-12 are simply the finest rules you will ever have in your shop.

### BR-6 ZERO GLARE POCKET RULE (6")

1101-124.....\$14.95 (FOUNDERS \$13.46)

### BR-12 ZERO GLARE BENCH RULE (12")

1101-137.....\$19.95 (FOUNDERS \$17.96)

*Custom Engraving is Not Available.*

### Graduations

- Left to Right 32nds • Left to Right 16ths • Right to left 16ths
- Millimeters • Centering Rule • Offset Rule



BR-6

### Specifications

Height: 0.56"

Width: 0.66"



BR-12



## Our Combination Square Provides Accuracy You Can Trust



GRADUATIONS ARE BOTH ENGLISH (1/32") AND METRIC (0.5MM).

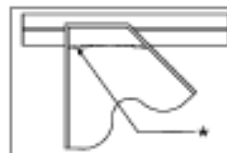
We are pleased to offer the classic Bridge City Tool Works 12" Combination Square. By design, combination squares with sliding blades involve moving parts and moving parts wear. Over time, the blade movement across the cast reference surface will erode the square's head. Like most abrasive erosion, this wear occurs at the edges first creating a "rockered" surface that is extremely problematic for a layout tool. Our tests, on a brand new combination square from a highly respected manufacturer, indicated that the 90-degree reference changed with less than sixty full length blade adjustments! It was minute, but continued to worsen and we became focused on addressing this issue in our own efforts.

With a commitment to accuracy and our traditional "look and feel" thoroughly addressed, we are pleased to offer the **CS-12 COMBINATION SQUARE**. To ensure accuracy between the blade and the square head over time, we have recessed two steel

friction pads into each **CS-12 COMBINATION SQUARE** head that are much closer to the hardness of the steel blade. This allows us to use a brass body which does not rust in humid environments and maintains accuracy as well as a unique appearance.

Each **CS-12** blade is 12 inches in length and is satin-chromed for excellent "readability." Both English and metric graduations are precisely aligned on the front and back surfaces of the blade. The solid brass body is precision inlaid with rosewood on each side, creating the heart of the **CS-12**. Capturing the warm combination of wood and brass, this component is an inspiration as well as an accurately machined reference (*within .002" on both the 90 and 45 degree legs of the tool*).

The grace, dignity and simplicity of the **CS-12** creates a stunning example of our motto, "Quality is Contagious." Your efforts will significantly improve with this beautiful crafted tool in your hands.



WEAR ALMOST INvariably OCCURS AT THE EDGES FIRST. HERE IS WHAT HAPPENS WHEN A HARDENED BLADE SLIDES OVER A SOFTER CAST SEAT. OVER TIME, THE RESULT IS A TOOL WITH UNPREDICTABLE ACCURACY. \*NOTE THE ERoded REFERENCE THAT THE BLADE MUST SEAT ITSELF AGAINST WHEN TIGHTENED. OUR CS-12 ELIMINATES THIS PROBLEM.

### CS-12 COMBINATION SQUARE

1101-082.....\$189.00 (FOUNDERS \$170.10)

Custom Engraving: 6 characters.

## Two Great Tools For Small Scale Work



GRADUATIONS ARE: 1/8", 1/16", 1/32", 1/64".

Using tools sized for the job is one of the many joys of working wood successfully. As an example, the differences between building an armoire and a music box are simultaneously similar and different. Although the woodworking processes are very similar, the tools employed are different in size.

The **CS-6 COMBINATION SQUARE** fills substantial voids for many projects where tool size makes the job at hand less cumbersome. The simple small scale tool functions as a depth gage, height gage, small square, miter square and can be used with a scribe or pencil as a marking gage.

The head of the **CS-6** is cast from silicon brass. Each leg of the square head is precisely CNC milled, creating a tool with an

accuracy run-out of less than .002" over the length of a fully extended blade. Once milled, both of the legs are precisely fitted with a matched rosewood inlay, creating a look and feel that has always been the hallmark of Bridge City Tool Works. The (3/4" width) blade is made from stainless steel and is satin-chromed for excellent readability. The English graduations (1/8", 1/16", 1/32", 1/64") are photo-chemically etched and meet or exceed all U.S. and British accuracy standards for rulers.

The **DS-6 DOUBLE SQUARE** is handy simply because it does not have a 45 degree leg. This tool works great in conjunction with other combination squares where you have multiple settings and don't really care to compromise consistency by constantly adjusting the blade length back and forth on the same project. This is usually a recipe for "gagosis" and the "putty cure" down the road.

The **DS-6 DOUBLE SQUARE** is made to the same exacting standards and tolerance as the **CS-6** and employs the same stainless steel blade. It is a gorgeous and venerable design you do not want to be without.

### CS-6 COMBINATION SQUARE

1101-125E.....\$84.00 (FOUNDERS \$75.60)

### DS-6 DOUBLE SQUARE

1101-126.....\$84.00 (FOUNDERS \$75.60)

Custom Engraving: CS-6: 3 characters; DS-6: 8 characters.



## Our Scratch Awls Provide Unparalleled Control For Accurate Pinpoint Marking Or Heavier Tasks And Fit Your Hand Like A Glove



BLADE: HARDENED STEEL, RCS4, CENTERLESS GRIND AND SHARPENED.  
HANDLE: SOLID ROSEWOOD, HAND TURNED, SOLID BRASS FERRULE.

SA-3  
OVERALL LENGTH: 8"  
BLADE LENGTH: 4-1/2"

For years now, our **SA-2 SCRATCH AWL** has remained tops on the list of perennial best sellers, much appreciated by woodworkers, and equally prized by woodturners and collectors. The balance of this tool in your hand is unlike any you have ever experienced. The control of this awl, (*somewhat like a conductor's baton*) allows you to lay down lines in the tightest situations, like making dovetails, mortise and tenons or tracing profiles. The 4-1/2" hardened steel blade is long and narrow, terminating in a very fine point.

The elegant simplicity of our scratch awl family continues with the introduction of the **SA-3 BENT TIP SCRATCH AWL**. It works efficiently, feels splendid in your palm and will allow you to complete tasks that are rather awkward with a straight blade awl. Made to the same exacting standards of the SA-2, the **SA-3** really shines in awkward places and is amazingly easy to use. Try it once and you will be hooked!

Our scratch awls are flawlessly hand-turned by master turner, Mark Stevens. The uniquely crafted handles sit atop a hardened steel scribe point and is ready for the toughest of scribing or center marking chores.

The **SA-1 SCRATCH AWL** is designed to compliment its "big brother" the SA-2. It is great for starting screw holes and making divots for brad point drills. The handle comes to rest in the palm of your hand, the point acting as an extension of your index finger. This immobilizes your wrist and allows you to transfer "weight" to the point. As a safety feature, the brass ferrule completely encapsulates the tang and directs all downward forces to the minor diameter of the handle. The **SA-1** is a delightful addition to any shop and saves the day when the SA-2 is too long.

### SA-1 SMALL SCRATCH AWL

**1101-058.....\$39.00 (FOUNDERS \$35.10)**

### SA-2 LARGE SCRATCH AWL

**1101-018.....\$45.00 (FOUNDERS \$40.50)**

### SA-3 BENT TIP SCRATCH AWL

**1101-088.....\$49.00 (FOUNDERS \$44.10)**

*Custom Engraving is Not Available.*

## Adjusting The Accuracy Of These Squares Is Quick And Easy, Ensuring A Lifetime Of Accurate Use

Our **AS-3 ADJUSTABLE TRY SQUARE** is factory calibrated to be within .001" over the length of the blade and features a proprietary blade/handle alignment mechanism allowing you to maintain squareness in the harshest of environments. When your square takes an unexpected trip to the floor, the factory specifications typically go out the window. However, it is possible for anyone to recalibrate our **AS-3** with a simple hex key. The ability to accurately register a rule to both sides of the handle creates a unique and beneficial tool for the active woodworker.

The **AS-3 ADJUSTABLE TRY SQUARE** measures 3" on the outside and 2" on the inside rule. It slips easily into an apron pocket and is perhaps the finest tool yet for setting router bit depths. Set it on your router base, spin the bit to the height on the rule and off you go. Another terrific function is the ability to get into confined spaces. Small drawers, scaled work, box making, toy making, model making, and joint work are just a sampling of the applications for this small-sized square. Because of this petite size, we highly recommend this tool for the young woodworker in your shop.

The graduated blade is made of satin chromed, hardened steel, which is precisely aligned with both faces of the handle. The outside graduations are aligned with the outside face of the handle, allowing the tool to be used as a true measuring device. This rule reads exact "0" at the heel of the square and increases toward the tip of the blade to accurately read height or length distances. The inside graduations are aligned perfectly with the inside face of the handle, so it can be used as a hook rule.

### The AS-9 ADJUSTABLE TRY SQUARE

is a mid-size tool and made to the same exacting standards as the AS-3. Additionally, it is equipped with a built-in slide stop. This handy lever easily slides out and locks in place, holding the tool to your material and freeing up your hands for other tasks. The **AS-9** measures nine inches on the outside and 7-1/2" inches on the inside rule.

### Specifications

**Accuracy:** Field adjustable, factory set to 90 degrees, plus or minus .001" over the blade length, inside and outside.

**Handle:** Solid 360 alloy, half-hard brass, rosewood infill.

**Blade:** Hardened steel (Rc 54), satin chromed finish, photo-chemically etched. Graduations in 32nds.

**Blade Width:** AS-3: 0.92", AS-9: 1.50"

**Blade Thickness:** AS-3: 0.041", AS-9: 0.080"

### AS-3 ADJUSTABLE TRY SQUARE 3"

**1101-063.....\$84.00 (FOUNDERS \$75.60)**

### AS-9 ADJUSTABLE TRY SQUARE 9"

**1101-071.....\$129.00 (FOUNDERS \$116.10)**

*Custom Engraving: AS-3: 14 characters; AS-9: 20 characters.*

# CT-11 12° Low Angle Smoothing Plane

## UNDER 100 LEFT!!!

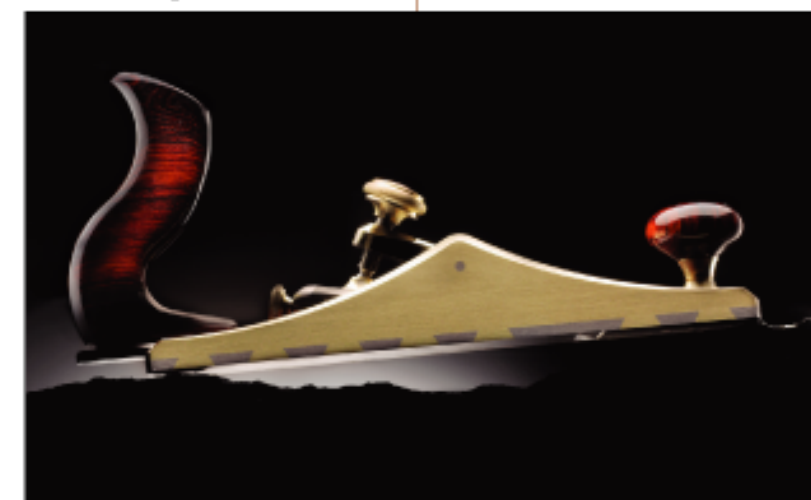
It is our pleasure to introduce to you the eleventh edition of our popular commemorative tools. Here are the details...

### The Concept

A plane iron seated twelve degrees to the sole is the practical limit for an adjustable iron plane. With a 25 degree iron, this creates an attack angle of 37 degrees. With this lower attack angle, you can work harder woods with less effort, and plane end grain, which are typically not easy with a bench plane or our CT-10 plane. The most significant aspect of lowering the attack angle is the corresponding reduction in force needed to work the plane.

### The Plane Iron

A2 tool steel is milled to size, heat treated to Rockwell 60-62 and cryogenically tempered. The iron is then lapped, sharpened and is ready to use out of the box.



This beautiful CT-11 12° Low Angle Smoothing Plane exemplifies the toolmaker's finest work of art and functions with breathtaking results!

### The Sole

Milled from a three pound stainless steel billet, the iron will seat precisely in place preventing vibration and chatter from working its way to the cutting edge. The interior top surfaces of the toe and heel are capped with rosewood inlays and when properly tensioned, the sole is flattened. Like the iron, the plane body is ready to use out of the box.

### The Sides

The combination of the stainless steel sole with brass sides is not only gorgeous, but impossible to take apart. (Note: Because this is an extreme low angle plane with minimal side heights, it is not designed to be used on its side for "shooting" a square edge.)

### The Blade Adjustment Mechanism

We use a modified "Norris" style adjustment mechanism that changes both the depth of cut and the blade angle to the sole. One full revolution of the blade adjustment knob changes depth of cut by 0.003". An eighth of a revolution will change the shaving thickness by 3.7 ten-thousandths (0.00037") of an inch.

### The Plane Iron Cap

The solid brass plane iron cap is milled to seat dead flat against the iron. The mass is another vibration killer allowing all of your energy to be focused at the cutting point.

### The Rear and Front Totes

The CT-11 features a "four finger" sculpted rosewood rear tote visually free from the typical spine bolt. The rear tote is built around a stainless steel spine that is permanently fixed to the base plate that dovetails into the sole. The front tote is hand turned around a solid brass ferrule that also works as the adjustable throat locking knob. There are no visible screws or bolts to hinder the lines of this flawlessly executed hand turning by Mark Stevens. Both totes are lacquered—this is the preferred finish for a tool that may see sweaty hands. (For those who prefer a waxed finish, please specify at the time of your order.)

### Summary

For our tool makers, these limited Commemorative Tools represent the culmination of years of refining and redefining the manufacturing and design details that elevate these tools above mass

produced mediocrity. Thank you for taking the time to read about the amazing CT-11 12° LOW ANGLE SMOOTHING PLANE!

### Specifications

Weight: 5.5 lbs. Length: 13", Width: 2.76", Height: 5.65"

Sole Length: 11.56", Cutting Width: 2.1"

Attack Angle: 37° (12° Bed, 20° Primary Grind, 5° Micro-Bevel)

Depth Adjustment Per Revolution: .003"

You must be a Founder's Circle Member to purchase the CT-11. Please specify Wax or Lacquer finished handles at the time of order. Six months, zero interest Easy Pay Option available.

#### CT-11 12° LOW ANGLE SMOOTHING PLANE

1100.....\$895.00

#### CT-11 12° LOW ANGLE SMOOTHING PLANE WITH CASE

1100C.....\$1015.00

#### CT-11 REPLACEMENT IRON

1101-183RB.....\$59.00 (FOUNDERS \$53.10)

#### CT-11 ACCESSORY IRON (30° ANGLE)

1101-183AB.....\$59.00 (FOUNDERS \$53.10)

Custom Engraving: 24 characters.

**Important Note:** A 50% deposit is required to secure your order. Delivery is scheduled to begin June 2004.





## This Is The Perfect Plumb Bob For Indoor Use!

Weighting at just 1 ounce, the **PB-9 MINI PLUMB BOB** is a work of art and performs flawlessly. The top ball is made of solid brass and the tip stainless steel. Included is a knurled brass spool with an elegantly simple design that easily fits your thumb or forefinger allowing you to control the length of cord extended. The cord is made of tough braided polyester fiber (.019" thick).



### PB-9 MINI PLUMB BOB

**1102-073.....\$35.00 (FOUNDERS \$31.50)**

*Custom Engraving is Not Available.*

## Scroll Saw Owners: This Is The Small Bridge City Square You Have Been Looking For!

Setting a scroll saw to cut square is a chancy proposition (*until now*). This beautiful solid brass square will fit in the throat of any scroll saw and other confined corners. Ninety degree leg is 1.85". Works great for 45 degrees too. Accurate to within .001" on all angles, the **SS-1** really shines for all small scale work.



### SS-1 SCROLL SAW SQUARE

**1102-084.....\$19.95 (FOUNDERS \$17.96)**

*Custom Engraving is Not Available.*

## Become A MEMBER OF THE FOUNDER'S CIRCLE Today! And SAVE 10% OFF EVERY ORDER And Much More!

*The Founder's Circle/Founder's Circle Plus Membership provides many exclusive benefits for its members.  
The \$45/\$75 annual membership dues entitles members to receive the following:*

**"SNEAK PREVIEW" ANNOUNCEMENTS.** FOUR OR FIVE TIMES PER YEAR WE INTRODUCE NEW PRODUCTS TO MEMBERS OF THE FOUNDER'S CIRCLE BEFORE THEY MAKE THE PAGES OF OUR CATALOG. THIS ENSURES THAT OUR MEMBERS RECEIVE THE SNEAK PREVIEW CATALOGS AND WILL ALWAYS BE OFFERED OUR NEW TOOLS AT A PRICE LOWER THAN ANYONE ELSE. THIS IS THE VERY BEST WAY TO OWN EXTRAORDINARY BRIDGE CITY TOOLS!

**"SIGNATURE SERIES" TOOLS!** THE INITIAL PRODUCTION RUN OF A NEW TOOL IS NUMBERED AND SIGNED BY THE DESIGNER, JOHN ECONOMAKI. THESE POPULAR LIMITED EDITIONS ARE AVAILABLE EXCLUSIVELY TO FOUNDER'S CIRCLE MEMBERS AT A PRICE THAT IS ALWAYS LESS THAN THE CATALOG VERSION OF THE SAME TOOL!

**CATALOG DISCOUNTS & SPECIAL SALES.** BRIDGE CITY FOUNDER'S CIRCLE MEMBERS RECEIVE A 10% DISCOUNT OFF RETAIL PURCHASES FROM OUR CATALOG. MEMBERS WITH EMAIL ADDRESSES RECEIVE ADDITIONAL DISCOUNTS ON SALE ITEMS IN OUR POPULAR EMAIL ONLY SALES.

**EXCLUSIVE, ONE-OF-A-KIND TOOL OFFERINGS.** ONCE A YEAR, WE DESIGN AND MANUFACTURE ONE NEW TOOL OFFERED EXCLUSIVELY TO BRIDGE CITY FOUNDER'S CIRCLE MEMBERS, NEVER TO BE MADE AGAIN! THE

ANNOUNCEMENT OF OUR COMMEMORATIVE TOOL IS AN ANTICIPATED ANNUAL EVENT. ADDITIONALLY, YOU CAN PLAN ON OTHER "SPECIAL OCCASION" INTRODUCTIONS THAT WILL ONLY BE OFFERED TO BRIDGE CITY FOUNDER'S CIRCLE MEMBERS. FOUNDER'S CIRCLE PLUS MEMBERS RECEIVE AN ADDITIONAL 10% DISCOUNT ON COMMEMORATIVE TOOL OFFERS.

**FREE ENGRAVING ON ALL TOOL PURCHASES!** ON EACH TOOL, YOUR FIRST THREE LETTERS ARE FREE. ADDITIONAL LETTERS ARE HALF PRICE, AT \$1.00 PER LETTER. FOUNDER'S CIRCLE PLUS MEMBERS RECEIVE UNLIMITED FREE ENGRAVING.

**MEMBERS HAVE THE OPTION OF PURCHASING ALL FUTURE "SIGNATURE SERIES" TOOLS WITH THE SAME SERIAL NUMBER.** YOUR BRIDGE CITY FOUNDER'S CIRCLE MEMBERSHIP ENTITLES YOU TO RESERVE ONE NUMBER FOR THE DURATION OF YOUR MEMBERSHIP YEAR. FOUNDER'S CIRCLE PLUS MEMBERS ARE ENTITLED TO FOUR NUMBERS. ADDITIONAL NUMBERS MAY BE RESERVED FOR \$10.00 EACH, PER YEAR, WITH YOUR MEMBERSHIP.

**AUTOMATIC ORDERING.** BRIDGE CITY FOUNDER'S CIRCLE MEMBERS MAY OPT TO HAVE NEW TOOL INTRODUCTIONS AUTOMATICALLY SENT WITHOUT

ORDERING AND RECEIVE AN ADDITIONAL 2% DISCOUNT OFF THE TOOL. IF YOU RECEIVE A TOOL UNDER THIS PLAN AND DO NOT WISH TO KEEP IT, SIMPLY RETURN THE TOOL WITHIN 90 DAYS, AND WE WILL ISSUE YOU A FULL REFUND. THIS IS A NO-RISK SERVICE FOR THOSE WHO DO NOT WANT TO MISS A GOOD DEAL.

**CONVENIENCE OF AUTOMATIC RENEWALS.** THREE WEEKS PRIOR TO YOUR MEMBERSHIP EXPIRATION DATE, WE WILL SEND YOU AN AUTOMATIC RENEWAL NOTICE. THIS IS KNOWN AS A NEGATIVE OPTION MEMBERSHIP PLAN. IF YOU DO NOT WISH TO RENEW YOUR FOUNDER'S CIRCLE MEMBERSHIP, YOU MAY NOTIFY US BY PHONE (800-253-3332), FAX (503-287-1085), E-MAIL (SALES@BRIDGECITYTOOLS.COM) OR MAIL AT ANY TIME DURING YOUR MEMBERSHIP YEAR. SHOULD YOU FORGET TO INFORM US THAT YOU WISH TO CANCEL YOUR MEMBERSHIP, ALL YOU HAVE TO DO IS REQUEST A NO-HASSLE REFUND.

**BRIDGE CITY FOUNDER'S CIRCLE MEMBERSHIP IS A NO-RISK PROPOSITION.** REFUNDS CONSIST OF MEMBERSHIP DUES LESS ANY DISCOUNTS THAT WERE APPLIED DURING YOUR MEMBERSHIP YEAR. REFUNDS WILL NOT BE APPROVED IF COMMEMORATIVE TOOLS HAVE BEEN ORDERED AND RECEIVED.

### A Word About Our Delivery Schedule

All our tools are specially made tools. If "WHEN" we deliver is more important to you than "WHAT" we deliver, you may at times be frustrated with us. Please note: All tools are shipped in sequence as the orders are received. We make no promises for delivery by a specific date. Credit card orders are not billed until the day the tool is shipped.

### Satisfaction Guarantee

We stand behind everything we sell. If for any reason you are not 100% satisfied with your purchase, simply return the item **WITHIN 90 DAYS** for an exchange or a full refund on the merchandise. Tools received beyond the 90 day guarantee are processed under our "Lifetime" warranty (see page 16).

## The World's First "Straight Edge" For Corners!



Here are three tools designed to speed up the layout of any project where perfect adjacent lines are required. Please meet our **SADDLE SQUARES**.

How many times have you wanted to draw a line around a corner? Traditionally, this process involves moving your square from plane to plane and connecting the adjacent lines. And quite frankly, if your square is square and your eyesight true, this process works fine. However, as you may relate, the potential for error is always present and there is a significant time factor to accomplish this task accurately.

Our **SADDLE SQUARES** are your solution to gap free joints! They will lay out adjacent lines on all angles from 180 degrees through 85 degrees, and really shine on small and large-scale work! Mortise and tenons, lap joints, finger and bridle joints, cross drilled dowel joints, haunched miter mortise and tenons, lapped miters...and the list goes on. There is not a faster or more accurate way to perform similar tasks in your shop.

Use the **SS-2** on eight quarter stock or smaller, and the **SS-4** on four-inch or smaller material. Use the **SS-2x4** when you need the convenience of the two-inch and the four-inch legs in one tool. These squares will quickly become indispensable during your quest for "light-tight" work.

Milled from solid brass, each of these exquisite tools will perform flawlessly in your shop. Inlaid into each face of the **SADDLE SQUARES** are rosewood infills to complete the styling of this remarkable tool. The hinge pin is custom turned from stainless steel, providing a smooth acting joint without slop.

The **SS-DT DOVETAIL SADDLE SQUARE** really shines when it comes to dovetail layout. It replaces the need for a T-bevel and a square. The unique ability of this tool to fold around a corner will allow you to draw or scribe the necessary straight and angled pin lines in one easy stroke. Each and every angled line will be perfectly connected to an adjacent vertical line. One tool, one line, two planes!

The **SS-DT** will work on all stock up to two inches in thickness. (The overall length is 6-1/4"; the width is 7/8".)

Our **SADDLE SQUARES** are attractive, accurate, fit your hand, and are a constant reminder that tools do not have to be so simple that they lack grace, dignity and the ability to inspire. We invite you to put our **SADDLE SQUARES** to the test in your shop. These tools will quickly become some of your most cherished and trusted shop companions.

### Now Available In Black Anodized Aluminum

We have been producing the finest premium hand tools for over 20 years, and we don't know how many times we have heard "They are too pretty to use." Well, not this time! We have taken the same quality, same tolerances and made a tool you can use for a fraction of the cost. The **SS-2x4A ALUMINUM SADDLE SQUARE** will rival your favorites!



#### SS-2 SADDLE SQUARE

1101-098.....\$69.00 (FOUNDERS \$62.10)

#### SS-2x4 SADDLE SQUARE

1101-025.....\$72.00 (FOUNDERS \$64.80)

#### SS-4 SADDLE SQUARE

1101-099.....\$75.00 (FOUNDERS \$67.50)

#### SS-DT DOVETAIL SADDLE SQUARE

1101-122.....\$107.00 (FOUNDERS \$96.30)

#### SS-2x4A ALUMINUM SADDLE SQUARE

1104-025.....\$44.00 (FOUNDERS \$39.60)

Custom Engraving: SS-2, SS-2x4, SS-4 & SS-DT: 6 characters.

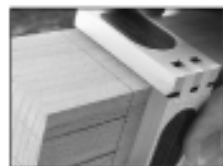
The SS-2x4A cannot be personalized.



DRAWING A LINE AROUND A CORNER HAS NEVER BEEN EASIER. USE THE SS-2 FOR 3/4 STOCK OR SMALLER AND THE SS-4 FOR LARGER WORK.



HERE IS THE FIRST TOOL ALLOWING YOU TO LAY OUT A LINE ON END GRAIN, REFERENCING THE NARROW DIMENSION OF STOCK.



THERE IS NOT A FASTER OR MORE ACCURATE WAY TO LAY OUT JOINTS THAN WITH THE HELP OF OUR NEW SADDLE SQUARES.



A SADDLE SQUARE IS A PERFECT TOOL FOR JOINT LAYOUT WHEN YOUR STOCK IS TOO SMALL FOR A MARKING GAGE.



FOR RECTILINEAR WORK, THE SS-2x4 WORKS IDEAL.



DOVETAILS HAVE NEVER BEEN EASIER THAN WITH OUR SS-DT. ONE LINE, TWO PLANES. IT DOESN'T GET ANY EASIER OR MORE ACCURATE THAN THIS.



## A Small Hammer Prevents You From Overpowering Your Intent, Eliminating Oversized And Unintentional Strike Marks

One of the most enjoyable aspects of working wood is using tools sized for the job. When it comes to hammers, invariably we use a tool much too large or heavy for the task. Think about it. Hammers come in almost every imaginable size and shape. What we have created are two small hammers designed specifically for the bench woodworker. For inserting dowels, pins, or tapping delicate joints together, a dead-blow mallet just does not cut the mustard. For these sensitive tasks and a myriad of others, I've always relied on a small, antique hammer purchased at a garage sale. With the introduction of our two **JH-1** Jointmaker's Hammers, this positive experience is available to you. A small hammer prevents you from overpowering your intent, eliminating over-sized and unintentional strike marks.

The long, willowy neck of our lacquered hickory handle, combined with the gracefully tapered end, is simply a joy to hold. The 10" handle offers a marvelous sense of accuracy and control that "fat" handled hammers simply cannot provide.

Our **JH-1** Jointmaker's Hammers come in brass or a stainless steel head. They are double faced for delicate work and are securely blind wedged to the handle. The head measures  $\frac{9}{16}$ " and  $\frac{13}{16}$ " in diameter and weighs  $3\frac{1}{2}$  ounces. Use the brass hammer with its soft face for those applications where you definitely do not want to leave a strike mark (*never use a soft face*

hammer for nails or brads). For those applications where you may want to persuade a harder material, we recommend the **JH-1** Jointmaker's Hammers with a stainless steel head. See for yourself how these inexpensive tools can add richness to your woodworking experience.



Important note: These are both soft-face hammers. They are designed to become beat-up and disfigured and are not covered by our lifetime warranty.

### JH-15 BRASS HAMMER

1102-074.....\$49.00 (FOUNDERS \$44.10)

### JH-1H STAINLESS STEEL HAMMER

1102-075.....\$49.00 (FOUNDERS \$44.10)

**BUY BOTH & SAVE \$5!**

### BRASS & STAINLESS STEEL HAMMER SET

1111-013.....\$93.00 (FOUNDERS \$83.70)

*Custom Engraving: 5 characters.*



**ON SALE!**



OUTSIDE CALIPERS ARE EASILY AND PRECISELY SET WITH THE TT-1 TURNING TREE.



TO SET YOUR INSIDE CALIPERS, SIMPLY SET YOUR OUTSIDE CALIPERS AND TRANSFER THE SETTING FROM ONE TO THE OTHER.



INDIVIDUAL SECTIONS OF THE TT-1 TURNING TREE ARE ALSO HANDY AS CIRCLE TEMPLATES.

ACCURACY: +0.005", -0.000" TOLERANCE ON EACH DIAMETER.  
TREE: COATED STEEL, RUST PROOF.  
BASE: ROSEWOOD, PROTECTIVE FOOT PADS.

## Finally, A Tool Designed For Wood Turning That Allows You To Quickly And Accurately Set Your Outside Calipers!

The **TT-1 TURNING TREE** is a circular ruler designed primarily for furniture makers who use turnings in their work. The tolerance on each diameter is +0.005", -0.000", insuring that you will never again turn an undersized part.

The **TT-1** is made of nine steel sections containing four precisely turned diameters for setting the distance of outside calipers. The major diameter of each section is marked with the diameters of all four "rings" which make up that section. All in all, there are 36 different reference sizes. The rings are sized by  $\frac{1}{16}$ " to correspond with the most common drill sizes found in the wood shop (the largest is sized by  $\frac{1}{4}$ "). Each color band represents a one quarter inch segment stepped by sixteenths. Individual sections can be removed and kept in your apron pocket as a quick reference while you are turning. Sections can also be used to size existing holes and are handy as circle templates.

The **TT-1** comes with a beautiful rosewood base that displays and protects your investment. The **TT-1** is a must for furniture makers who use turned components in their work.

### TT-1 TURNING TREE

1102-054.....\$143.65 ~~\$169.00~~ (FOUNDERS \$152.10)

**\$129.29**

*Custom Engraving is Not Available.*

## This Tool Will Allow You To Work Safer And More Precisely By Freeing The Demands On Your Fingers In The Shop!



Anytime you need to hold small tools, parts or other items firmly and safely, a pin vise is a logical choice. Drills, files, hex keys, screwdriver bits, nut drivers, and custom work are the tip of the iceberg for the **PV-1 PIN VISE**.

Our **PV-1** uses a three-jawed chuck ( $1/4"$ ) that enables you to grab and hold a wide assortment of tools and accessories for doing precise work. In addition to the three-jaw capacity, we have a two-jaw insert that will allow you to use #11 knife blades in the **PV-1** which can be extremely handy at times.

### Specifications

Overall Length: 7", Length From Ferrule To End Of Chuck:  $2\frac{1}{2}"$   
Length Of Wooden Handle:  $4\frac{3}{4}"$ , Width Of Handle (Widest Section):  $1\frac{1}{2}"$   
Chuck Capacity: 0.004" – 0.250"

Turned from a solid stainless steel billet, the keyless chuck of the **PV-1** works smoothly and locks firmly on all round and hex shapes (within the capacity of the chuck). The hardened tool steel jaws are nickel-plated and will last for generations of use. The threaded chuck shaft is stainless steel and is plated with nickel and finally brass plated for aesthetic considerations.

Each rosewood handle is hand turned and polished by our master turner, Mark Stevens. The overall feel of the tool is balanced and the appearance is a fitting continuation to our family of heirloom tools.

### PV-1 PIN VISE

**1101-144.....\$149.00 (FOUNDERS \$134.10)**

*Custom Engraving is Not Available.*

## Our Ultimate Large Square – Perfect Squareness On One Side And An Infinite Adjustment Over 180 Degrees On The Other Side



YOU CAN USE THE AS-24 AS A DRAFTING T-SQUARE OR AN ADJUSTABLE ANGLE SQUARE BY FLIPPING THE TOOL OVER AND LOOSENING THE KNOB.

### Specifications

**Accuracy:** 90 degrees, plus or minus .002" over the length of the blade.  
**Head:** CNC 360 brass with rosewood infill.  
**Blade:** Hardened steel (Rockwell 54), satin chromed, 24" length,  $1\frac{1}{2}"$  width,  $3/32"$  thickness. **Weight:** 3 lbs. 4 oz.

### AS-24 ADJUSTABLE ANGLE SQUARE

**1101-013.....\$139.00 (FOUNDERS \$125.10)**

*Custom Engraving is Not Available.  
See specifications for revision on head design.*

Without question, the **AS-24 ADJUSTABLE ANGLE SQUARE** is the ultimate large square from our family of tools. There is nothing like it on the market. It features perfect squareness on one side, and with a simple flip of the handle, infinite adjustment over 180 degrees on the other side. The tolerance on the square side is an impressive plus or minus .002" over the length of the  $22\frac{1}{2}"$  blade. The adjustable side is secured with a beautifully turned and knurled solid brass knob with a perfectly crafted rosewood infill. The blade is precision ground, hardened steel with a satin chromed finish to resist rust and to ensure its handsome look for years to come.

The T-handle design allows you to use the tool exactly like a drafting T-square. Flip it over, loosen the knob and you have a full-length, adjustable angle square. Since the fixed 90 degree angle is now on top, this square will automatically plot the complementary angle. Flip it back over and you have your fixed 90 degrees back; the **AS-24** is two squares in one! Framing squares are great for building houses but let's face it – they're lousy bench tools. We guarantee this square to be the most versatile and beautifully made large square available today.

## Get Dead-On, Chatterless Counter Sinks With This Single Flute Countersink

A single flute countersink will only make PERFECTLY concentric countersinks, it's the multiple flutes which cause chatter. This is the best woodworking countersink we have ever used. ( $1/4"$  Diameter, Single Flute,  $3/8"$  Shank Diameter)



### 82-DEGREE COUNTERSINK

**7601-012.....\$24.95 (FOUNDERS \$22.45)**

*Custom Engraving is Not Available.*

### Our Lifetime \$5.00 Guarantee

#### RECALIBRATE • RESQUARE • REPLACEMENT OPTION

These are the three "Rs" of Bridge City Tool Works:

As an owner of a Bridge City Tool Works tool, you may get it recalibrated or functionally repaired for five dollars per tool. Tools with excessive fire/flood or abuse damage are typically deemed functionally unrepairable by our Repair Department and may be used (at our discretion and with your permission only) as a 20% credit towards an identical or similarly sized, priced and functionally equivalent tool if available.

A tool is worthless if it is not within a reasonable and proper tolerance suitable to your needs. We ought to know, this is how we came to be. We invite you to compare our tools with any production hand woodworking tools made in America, Europe or Japan.



## Discontinued Items At Blow Out Prices

Everything listed on this page is priced to sell. Once they are gone, they will NEVER be made again. This may be your only opportunity to purchase these discontinued items so don't delay!



ITEM NO.	DESCRIPTION	ENGRAVE CHARACTERS	CATALOG PRICE	DISCONTINUED SALE PRICE	FNDERS CIRCLE SALE PRICE
1102-002	AM-1 ANGLE MASTER	6	290.00	179.25	161.90
1101-105	AMS-7 ADJUSTABLE MITER SQUARE	14	119.00	95.20	85.68
1102-105	AMS-7 ADJUSTABLE MITER SQUARE (JUALA™ WOOD)	14	119.00	95.20	85.68
1101-158	BV-1 BENCH VISE SYSTEM	10	290.00	191.00	171.90
1101-153	SC-2 TITANIUM NITRIDE COATED PROFILE SCRAPERS	NA	39.95	33.95	30.55
1101-155	SC-5 TITANIUM NITRIDE COATED PROFILE SCRAPERS	NA	39.95	33.95	30.55
1101-157	PD-11 PROPORTIONAL DIVIDER	14	259.00	207.20	186.48
1101-160	PG-27 PANTOGRAPH	3	179.00	125.30	112.17
1102-009	TB-1 T-BEVEL (JUALA™ WOOD)	28	81.00	68.85	61.97
1101-010	TB-2 SLIDING T-BEVEL 7"	3	89.00	75.00	67.50
1102-004	TS-3 DOUBLE SQUARE (JUALA™ WOOD)	24	68.00	57.80	52.02
1101-145-3	1/4" AUGER BIT	NA	11.20	4.48	4.48
1101-145-4	5/16" AUGER BIT	NA	11.20	4.48	4.48
1101-145-5	3/8" AUGER BIT	NA	11.20	4.48	4.48
1101-145-6	7/16" AUGER BIT	NA	11.20	4.48	4.48
1101-145-7	1/2" AUGER BIT	NA	13.08	5.23	5.23
1101-145-8	9/16" AUGER BIT	NA	13.68	5.47	5.47
1101-145-9	5/8" AUGER BIT	NA	13.68	5.47	5.47
1101-145-10	11/16" AUGER BIT	NA	16.10	6.44	6.44
1101-145-11	AUGER BIT	NA	16.10	6.44	6.44
1101-145-12	13/16" AUGER BIT	NA	18.70	7.48	7.48
1101-145-13	7/8" AUGER BIT	NA	18.70	7.48	7.48
1101-145-14	15/16" AUGER BIT	NA	23.10	9.24	9.24
1101-145-15	1" AUGER BIT	NA	23.10	9.24	9.24
1101-145-16	1-1/8" AUGER BIT	NA	25.83	10.33	10.33
1101-145-17	1-1/4" AUGER BIT	NA	25.83	10.33	10.33
1101-145-18	1-3/8" AUGER BIT	NA	56.25	22.50	22.50
1101-145-19	1-1/2" AUGER BIT	NA	56.25	22.50	22.50
2202-010	CT-10 WALNUT CASE	NA	120.00	75.00	75.00



Please refer to our main catalog and/or website at <http://www.BridgeCityTools.com> for information on the listed items.

Orders over \$300.00 are eligible for our ZERO INTEREST EASY PAY PLAN.

(Credit cards only, up to six installments; shipping and handling is added to the first installment.)

## Our First-Come, First-Serve BLEM SALE Creates Quite A Stir Around The Country!

All of our "blem" tools are functionally identical to their full price counterparts but do not pass our vigorous cosmetic inspections. Our loss is your gain! **THIS IS THE BEST BUY WE OFFER!** All blem's are guaranteed for life and carry a full 90-day unconditional refund warranty. However they NEVER occur in great quantities, so if they interest you, don't delay in placing your order! Whether for your own shop or as a gift, supplies are limited and these blem's disappear VERY FAST so... don't delay!

And if you are currently not a Founder's Circle member, now may be the time to join (*see page 13 for details*) because...FOUNDER'S CIRCLE MEMBERS MAY DEDUCT AN ADDITIONAL 5% OFF THE SALE PRICES OF ALL BLEMS!



ITEM NO.	DESCRIPTION	ENGRAVE CHARACTERS	CATALOG PRICE SALE	BLEM PRICE	FNDRS CIRCLE PRICE
BR6B	ZERO GLARE POCKET RULE 6"	NA	14.95	11.21	10.65
BSE24B	BEVELED STRAIGHT EDGE 24" (POWDER COATED)	NA	54.95	41.22	39.16
BSE36B	BEVELED STRAIGHT EDGE 36" (POWDER COATED)	NA	74.95	56.22	53.41
CS6EB	COMBINATION SQUARE 6"	5	84.00	63.00	59.85
CS12B	COMBINATION SQUARE 12" (E/M)	6	189.00	141.75	134.66
DS6B	DOUBLE SQUARE 6"	8	84.00	63.00	59.85
HP5B *	SMALL BLOCK PLANE (52° ATTACK ANGLE)	6	239.00	179.25	170.29
JH1HB	STEEL HAMMER	5	49.00	36.75	34.91
MS15BJ	MID-SIZED MITER SQUARE (J)	30	85.00	63.75	60.56
PG13B *	TRIPLE PROFILE GAGE	14	284.00	213.00	202.35
RS18B	RS-18 ZERO GLARE RULE 18"	NA	79.95	59.96	56.96
SC1B	TITANIUM COATED PROFILE SCRAPERS	NA	39.95	29.96	28.46
SC2B	TITANIUM COATED PROFILE SCRAPERS	NA	39.95	29.96	28.46
SC4B	TITANIUM COATED PROFILE SCRAPERS	NA	39.95	29.96	28.46
SC5B	TITANIUM COATED PROFILE SCRAPERS	NA	39.95	29.96	28.46
SE24B	PRECISION STRAIGHT EDGE 24"	NA	59.00	44.25	42.04
TB6B *	END LOCK SLIDING T-BEVEL 7"	6	89.00	66.75	63.41
TS2B *	MASTER TRY SQUARE	30	89.00	66.75	63.41
CT10BC	SMOOTHING PLANE W/CASE	NA	1015.00	720.00	720.00

Please refer to our main catalog and/or website at <http://www.BridgeCityTools.com> for information on the listed tools.

All factory blemished tools are marked with a "B." Tools are in English graduations unless specified as metric.

Tools are in rosewood unless specified as Juara™ Wood.

**Abbreviation Key:** I = Juara™ Wood; M = Metric graduation; \* = Quantity available less than a dozen



### COOL! Somebody Invented A Sharpener For Carpenter's Pencils!

This highly effective and affordable pencil sharpener designed specifically for carpenter's pencils has been a long time coming. The picture says it all. These sharpeners are great gift items and never fail to bring a smile to the face of a seasoned carpenter.

#### CARPENTER'S PENCIL SHARPENER

8841-001.....\$4.95 (FOUNDERS \$4.45)

#### CARPENTER'S PENCIL SHARPENER COMBO

(1 Sharpener, 2 Medium Lead Pencils)

8841-002.....\$5.95 (FOUNDERS \$5.35)



### Now You Can Achieve Quick and Easy Profile Sanding

Sanding non-flat surfaces has never been an easy task. However, the Vario-Pro is an ingenious little tool designed to make profile sanding a breeze. In its most basic form it is a sanding block, BUT with a simple turn of a wing nut you can adjust the Vario-Pro's sanding surface to fit any profile. This is ideal for sanding moldings, coved corners, banisters, furniture...you name it! The Vario-Pro also removes router and shaper burns in a snap. Just follow these steps and the instructions below.



- 1) To adjust to a new profile, loosen the screw with the included hex key.
- 2) Adjust the lamellas by pressing the tool into the desired profile.
- 3) While keeping pressure on the tool, tighten the fixing screw, locking the lamellas in place.
- 4) Mount the sand paper one side at a time, with the lamellas and the sand paper pressed into the profile.
- 5) You're ready to sand!



Due to its ability to conform to shape, the Vario-Pro holds your sandpaper consistently flush with the surface you are sanding. This allows you to attain perfect uniformity along the length of your workpiece. Also, the Vario-Pro's comfortable handle will save your hands from the fatiguing hours of fingertip sanding. Grab one of these for yourself today.

#### VARIO-PRO PROFILE SANDER

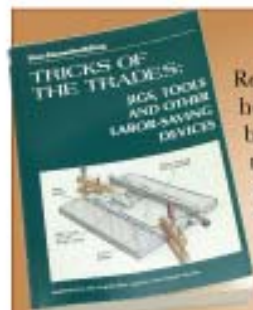
8894-001.....\$49.95 (FOUNDERS \$44.95)

### Here's Your Mistake Eraser!

Regardless of your abilities, regardless of how long you've been a woodworker, this book will astound you with tip after tip after tip. I particularly liked the way to convert old spade bits into a compass.... *Tricks of the Trades* is like having Grandpa looking over your shoulder while you are scratching your head! This is one of the most imaginative books we have reviewed and it packs a lot of wallop for the buck. (223 pages, softbound)

#### TRICKS OF THE TRADES

4401-006.....\$10.95 (FOUNDERS \$9.85)



### The Sandflex Is Truly Amazing!

Sandflex is great for cleaning and polishing all kinds of metal. An abrasive rubber (somewhat like a pencil eraser) is saturated with silicon carbide particles that slough away discoloration and surface scratches in metal. Sandflex is self-sharpening, will not clog or dull like sandpaper and is easily cut with a knife to conform to irregular shapes. Can be used either wet or dry. Use coarse for quick cleaning, fine for polishing, and medium for everything in between! Each is 3" x 2" x 3/4".



#### SANDFLEX, COARSE

6206-001.....\$4.95 (FOUNDERS \$4.45)

#### SANDFLEX, MEDIUM

6206-004.....\$4.95 (FOUNDERS \$4.45)

#### SANDFLEX, FINE

6206-002.....\$4.95 (FOUNDERS \$4.45)

SAVE WHEN YOU ORDER ALL THREE!

SANDFLEX SET (Includes one of each: Coarse, Medium & Fine)

6206-003.....\$13.95 (FOUNDERS \$12.55)

### It's True-Big Things Come In Small Packages!

This little book is a 768 page compendium of facts and data...and it fits in your pocket! This little gem is the perfect workshop companion for woodworkers and those who work with their hands. Not only will it save your bacon, it's a great gift! (Softbound)



#### HANDYMAN IN YOUR POCKET

4434-001.....\$12.95 (FOUNDERS \$11.65)

### This is the Most Complete Cross Reference Guide We have Seen!

*Measure for Measure* is an astonishing achievement of cross-referenced measurement data perfect for today's world economy. Yes, 100 pennies equals one dollar but how many acre feet are in a cubic mile? You get the idea, it is ALL in *Measure for Measure*. This is the reference you always wished you had but could not find! (Softbound, 864 pages)

#### MEASURE FOR MEASURE

4434-002.....\$14.95 (FOUNDERS \$13.45)

#### BUY THE SET AND SAVE!

4434-003.....\$26.00 (FOUNDERS \$23.40)

### Steel Wool Is Steel Wool Is Steel Wool. Ha!

This steel wool contains no oil (most do) and has a long filament structure (most don't). Does not crumble and lasts much longer. Use the "0000" for removing blemishes from brass, polishing finishes and wax applications. Imported from Europe. 250 g sleeve.



#### "0000" STEEL WOOL (250g)

2207-002.....\$8.95 (FOUNDERS \$8.05)

#### "0000" STEEL WOOL (125g)

2207-004.....\$4.95 (FOUNDERS \$4.45)

### This Is How We Put The Shine On Our Tools!

*Professionals Wax* is the paste wax used to protect our beautiful tools. Periodic cleaning will restore your tools like new and renew your creative spirit. Great for turnings, boxes and any small piece you want to protect.

#### PROFESSIONALS WAX (14 oz. Tin)

2207-001.....\$19.95 (FOUNDERS \$17.95)

SAVE WHEN YOU ORDER BOTH!

#### PROFESSIONALS WAX & STEEL WOOL KIT

(INCLUDES: 14 OZ. TIN PROFESSIONALS WAX & 250g STEEL WOOL)

2207-003.....\$24.75 (FOUNDERS \$22.25)



## Argon Is The Solid Modeler For Woodworkers!

We are pleased to introduce you to **solid models**—an incredibly powerful new concept—and share with you how easy it is to generate ideas using **Argon**, the most affordable and easy-to-use professional solid modeler available today.

As a process, **solid modeling** is uncannily similar to working with wood: you shape, bed, cut, stretch, shrink, drill and otherwise manipulate "virtual wood" on the screen with tools similar in function to the tools in your shop. If you don't like it, **CHANGE IT!** The ability to quick reject and reaffirm ideas is the reason why all serious woodworkers should employ **solid modeling** in their shop. Furthermore, if you are in a woodworking business, you cannot afford to be without this phenomenal tool.

**Solid modeling** is a combination of 2D and 3D modeling techniques. In figure 1, all of the images were created from the 2D wireframe marked "A." "B" is a 3D wireframe. "C" has a section of the 3D wireframe skinned. "D" is a 3D mesh. "E" and "F" are **solid models** with transparency turned on for "F." Turning "A" into "F" in **Argon** involves a single mouse click!

The excuse "I cannot draw" does not fly with **Argon**. In figure 2, changing the graceful curve of the blue spline to that of the red spline involved selecting point "A" (circled for clarity) and moving it to "B." The ability to make graceful curves is particularly important to woodworkers.

**WATCH A VIDEO ON HOW EASY IT IS TO CREATE  
THIS PUZZLE BY USING ARGON  
AT [HTTP://WWW.BRIDGECITYTOOLS.COM](http://www.BRIDGECITYTOOLS.COM).**



FIGURE 1. TURNING "A" INTO "F" IN ARGON INVOLVES A SINGLE MOUSE CLICK!

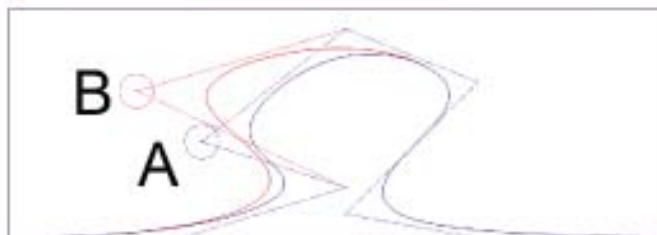
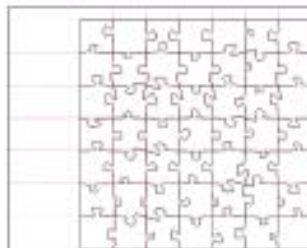
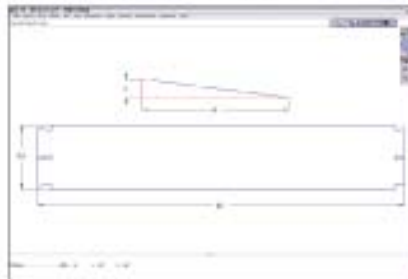


FIGURE 2. EACH CURVE IN THIS PUZZLE IS A CLONE OF THE FIRST, AND EACH CLONE UNIQUELY "TWEAKED" (AS SHOWN) TO BECOME DIFFERENT FROM THE OTHERS. IT'S FAST, EASY AND FUN WITH ARGON.

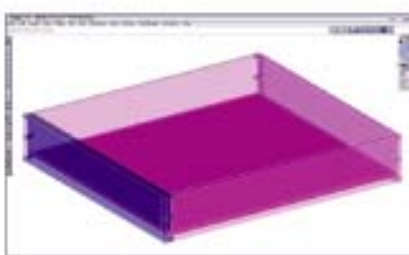


THIS PUZZLE WAS MADE WITH 83 CLONES OF A SINGLE SPLINE CURVE. THE SECRET TO CAD IS TO DRAW AS LITTLE AS POSSIBLE. DRAW ONCE AND MAKE A COPY—DRAGGING YOUR CURVE TO THE GRID IS LITERALLY A SNAP WITH THE DRAFTING ASSISTANT FEATURE. COPY, PASTE, ROTATE, MIRROR AND "TWEAK" WERE THE TECHNIQUES USED TO MAKE THIS PUZZLE IN ABOUT 15 MINUTES TIME!

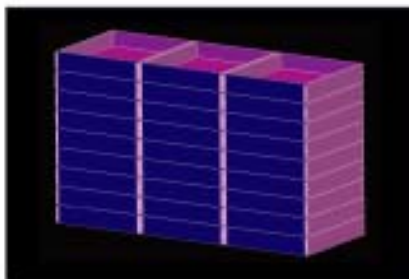
**S**olid modeling and woodworking are kindred spirits. The steps needed to create a solid model mirror the process in your shop with wood. Numerous dovetail drawers can be completed primarily from a single 2D profile! Once you have one drawer, creating a new size is nothing more than stretching, pulling, or shrinking to a new size. This is the power of **solid modeling**—every model you make is a foundation for a future model and the longer you solid model, the faster and more efficient you become!



THE TOP 2D WIREFRAME WAS CREATED TO FIND THE ANGLED LINE FOR AN 8:1 DOVETAIL PROFILE. NEXT, A BASIC RECTANGLE WAS CREATED. FINALLY, THE ANGLED LINE WAS CLONED, MIRRORED AND POSITIONED TO CREATE ALL OF THE DOVETAIL PROFILES. THE NUMEROUS "LOOSE ENDS" WERE ALL CONNECTED WITH THE NIFTY CORNER TRIM TOOL. THIS DRAWING TOOK APPROXIMATELY 2 MINUTES.



THE DRAWER SIDES HAVE BEEN MADE TRANSPARENT AND IT IS EASY TO SEE THE BOTTOM NOW IN PLACE. EVERY SOLID MODELING PROJECT YOU MAKE FOLLOWS A SIMILAR WORKFLOW AS THIS DRAWER EXAMPLE.



WITH ONE DRAWER YOU CAN CREATE DOZENS. THESE 27 DRAWERS ARE CLONES OF A SINGLE DRAWER AND THIS MODEL TOOK LESS THAN 30 SECONDS TO MAKE WITH ARGON'S POWERFUL TOOLS. EACH AND EVERY ONE OF THESE DRAWERS ARE THE OFFSPRING OF THE 2D DRAWING MADE AT THE BEGINNING OF THIS EXERCISE.

**LEARN THE BASIC STEPS TO MAKE THE SOLID MODEL OF THIS DOVETAILED DRAWER AT [HTTP://WWW.BRIDGECITYTOOLS.COM](http://www.BRIDGECITYTOOLS.COM).**



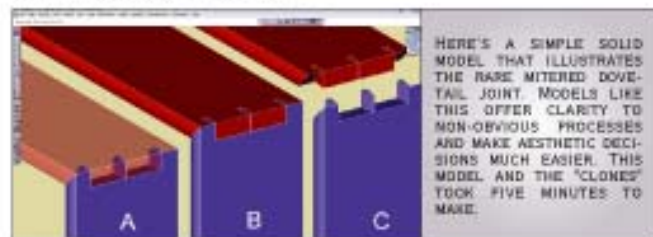
**A**rgon is a powerful tool for exploring shapes. The 3D *solid modeling* capabilities allow you to explore any shape variations—the idea is to be able to reject the bad ideas and find your best effort! This is so fast and fun that your work can't help but become visually stronger.

These bowl idea illustrations to the right took minutes to create. The colors in the screen shots have been changed to reflect the different looks you can achieve in *Argon*. Most important, there are now ideas to REJECT! Typically, you would have 10-20 different ideas before settling on a final design. Often you will end up with three or four really great ideas for future projects—another benefit of taking the time to find out what surprises reside in your head.

WATCH A VIDEO DEMONSTRATION ON HOW WE MADE THE SOLID MODEL OF THIS BEAUTIFUL BOWL AT  
[HTTP://WWW.BRIDGECITYTOOLS.COM](http://www.bridgcitytools.com).

**W**e are confident solid modeling will make your shop time more efficient and your work more accurate—an immeasurably powerful combination that may be difficult to immediately comprehend. Your imagination is the only limit to the uses of *solid modeling*.

We believe you will truly love making solid models. *Solid modeling* is the most fun woodworkers can have on a computer. The big benefit is planning all of your construction details before you set foot in the shop. By clearly defining all of your future actions in the shop, you become more efficient. More important, *solid modeling* gives you a pain-free method to reject ideas and dramatically decreases the ability to pollute the visual landscape! In addition, *Argon* on a laptop allows you to extend your woodworking wherever you go, on the plane or train...what's not to like about *solid modeling*?



**T**he features and benefits of *Argon* are too much to address. To help you fully appreciate the powerful capabilities of this amazing solid modeler, we have made available for download video demonstrations of fun and easy projects (listed below) made with *Argon* at <http://www.bridgcitytools.com>. Click on the tab labeled: **SOLID MODELING**. None of these projects are difficult or time consuming, all are fun, and the narrative creates a nice overview of this wonderful program.

Is Argon Easy to Use?

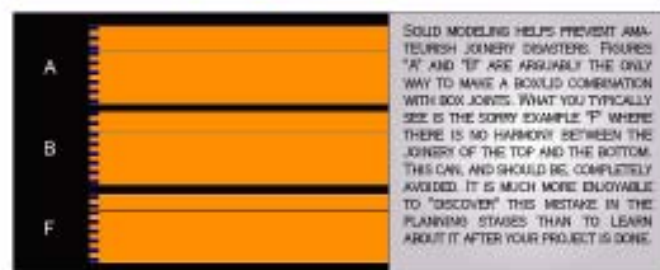
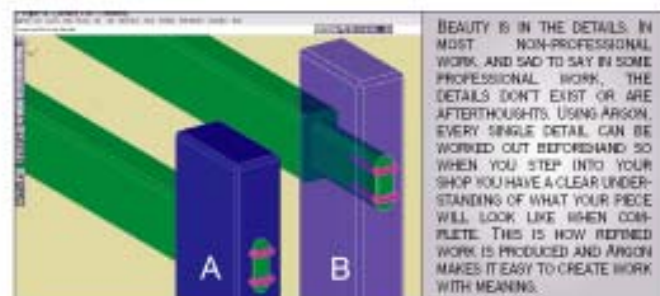
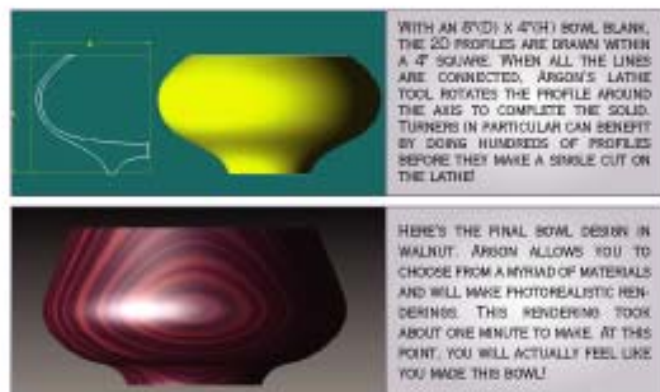
Making A Jigsaw Puzzle Pattern With Argon's Basic 2D Tools

Using Argon To Make Solid Model Wood Lathe Profiles

Rendering With Argon: A Solid Model Of A Mahogany Bowl

Using Argon To Solid Model A Dovetailed Drawer

Making Working Drawings With Argon



ARGON CD-ROM & MANUAL SET **\$895.00** (FOUNDERS \$840.00)  
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Please allow 2 to 3 weeks for delivery.

ARGON E-VERSION (EXCLUDES CD-ROM & MANUAL)

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ARGON E-VERSION requires web download.  
 The printable manual is built into the program.

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**THE ARGON SPECIAL OFFER IS GOOD THROUGH JUNE 30, 2004.**







## In 1995, An Off-Duty Fireman Cutting Grass Had the Idea of Combining His Safety Glasses and Earplugs In One Product....

Please meet **Radians®**, a revolutionary safety product that simultaneously addresses two issues in your woodshop—eye and hearing protection! Employing wrap-around lens styling with adjustable temples, **Radians®** provide eye safety protection (lens meets ANSI Z87.1-1989 standard) and comfort to a myriad of face shapes and sizes. Combined with the all-day comfort of super-soft **Jelli™** earplugs (a washable and replaceable, non-toxic FDA material, NRR 25), **Radians®** are one of the best safety inventions we have seen.

Included with each pair of **Radians®** are two sets of **Jelli™** earplugs and a breakaway neck cord, allowing for the on again, off again habits of an active worker. **Radians®** are affordable, convenient and help you with the discipline needed to maintain a long-lasting and productive experience in hostile work environments. Highly Recommended!

### RADIANS CLEAR LENS

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### RADIANS AMBER LENS

(For overcast days or low-light shops; ideal as shooting glasses)

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### RADIANS GRAY LENS (For bright outdoors work)

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Lift/Clamp Capacity: 70lbs  
Length of Clamp Lifter: 24"



### THE JACK OF ALL TRADES™

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## You Will Not Believe Some of These Great Ideas!

Yeung Chan has penned an incredible shop resource with his new book, **Classic Joints with Power Tools**. It is a harvest of phenomenally creative techniques shared by a master woodworker in a format all will appreciate. You will learn how to make over 100 joints using "non-traditional" techniques, jigs and fixtures that you can build yourself. This is a "must own" shop reference for all abilities and receives our highest recommendations! (Softbound, 174 pages)



### CLASSIC JOINTS WITH POWER TOOLS

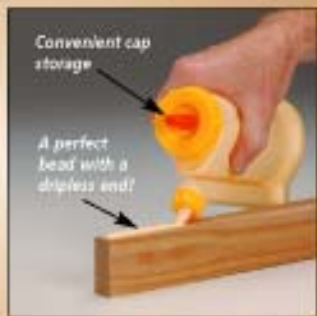
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- Never Drip Again
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The **Glu-Bot** comes with two different tips for dispensing glue



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## Here's How to Make Professional Cabinet Doors and Drawers!

When you get your marching orders to build new cabinetry, you will not want to begin without fully understanding the scale of the project and the ways to save time, energy, and money—all while minimizing your potential for errors. **Building Cabinet Doors and Drawers** is an "all meat, no potatoes" approach to this aspect of woodworking and you will be very impressed how this tiny investment pays off in the end! (Softbound, 112 pages)



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## FINALLY! A Shop Apron That Will Hold Up To The Test Of Time.

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### THE UNBELIEVABLE SAW™

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Orders placed online at [www.BridgeCityTools.com](http://www.BridgeCityTools.com) are fast and credit card information is secure with browser versions 4.0 and above. If you have made previous Bridge City credit card purchases, you may email your order to: [sales@bridgecitytools.com](mailto:sales@bridgecitytools.com). Please DO NOT send credit card information via email.

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As an owner of a Bridge City Tool Works tool, you may get it recalibrated or functionally repaired for five dollars per tool. Tools with excessive fire/flood or abuse damage are typically deemed functionally unrepairable by our Repair Department and may be used (at our discretion and with your permission only) as a 20% credit towards an identical or similarly sized, priced and functionally equivalent tool if available.

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Bridge City Tool Works will be observing a company wide vacation closure from July 3 through July 18, 2004. We will return to normal operations on July 19, 2004.

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